



# NITFS Compliance Registration



**Product:** Enterprise Image Access Solutions (E-IAS) Image  
Chipper Version 1.1 (Solaris)

**Sponsor:** DTI Visual Information Solutions

**Developer:** Visual Information Solutions

**Date:** 11 May 2010  
**Expiration:** 10 May 2012  
**Registration #:** 3016

☒ Initial Registration  
Supplemental/Update #  
☐ Derived from Reg. #

**System**  
N-0105/98, §4.1.1

## NITFS Features Implemented:

**Product**  
N-0105/98, §4.1.2

☒ **Component**  
N-0105/98, §4.1.3

Complexity Level							
NITF 2.1 CLEVEL							
	3	5	6	7			
Interpret							
Generate							
NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Other
Interpret							
Generate							

## Configurations Tested:

- Version 10.5 operating on a Sun Sparc

**Note:** The image chipper performs a limited interpretation on the input products to process an update compliant output product. An example is interpreting the RPC TRE to establish new IGEOLO corner points. The application also updates DIGEST, ICHIP and HISTO TREs

**Format**  
☒ NITF  
☒ 2.1  
☒ 2.0  
☐ 1.1  
☒ NSIF  
☐ 1.0

**Pixel Value Types**  
☐ Boolean  
☒ Integer  
☐ Signed Integer \*  
☐ IEEE Real \*  
☐ IEEE Complex \*

**Annotation Segment Types**  
☐ Bit Mapped \*\*  
☐ CGM, 2301  
☐ CGM, 2301A  
☐ Labels \*\*

**Text Segments**  
☐ STA  
☐ TT1  
☐ U8S  
☐ MTF

**Image Segment Types**  
☒ MONO  
☐ RGB  
☐ RGB/LUT  
☒ YCbCr  
☒ MULTI  
☐ NO DISPLAY  
☐ POLAR

**Image Compression**  
☐ No Compression  
☒ JPEG Lossy, 8-bit  
☒ JPEG Lossy, 12-bit  
☐ JPEG Downsampling  
☐ JPEG Lossless  
☒ JPEG 2000  
☐ Bi-Level  
☐ Vector Quantization

**Data Extension Segments**  
☐ TRE\_OVERFLOW  
☐ STREAMING\_FILE\_HEADER  
☐ Controlled Extensions \*\*  
☐ Registered Extensions \*\*

**Tagged Record Extensions**  
☒ DE  
☒ DIGEST  
☐ PTAE  
☒ KLRA  
☒ HIPB  
☒ CDRL

**Legend**  
Interpret  
Generate  
☒ Fully implemented  
☒ Partially implemented  
☐ Not implemented

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of the product for the intended use. Optional NITFS features may not be implemented.

Valerie Baker, Lt Col, USAF, Portfolio Chief  
Joint Interoperability Test Command  
Executive Agent to National Geospatial-  
Intelligence Agency for the NITFS Test and  
Evaluation Program